

ELKAYAN

SPECIALIZED CABLES



OUR PARTNERS



OUR VISION

is to contribute to the improvement of the end consumer's quality of life, through safe and reliable products that are manufactured with advanced technology, friendly towards people and the environment.



OUR MISSION

is directly addressing the needs of our clients , through the constant improvement of our products and services, emphasizing especially on the development of our human resources,

Our Values are:

- Respect for the environment and for people.
- Knowledge, competence and professional behaviour.
- Honesty, integrity and prudence.
- Team spirit and collaborative attitude.
- Action and results orientation.



LAPP Middle East is a 100% subsidiary of the LAPP Group, a leading supplier of integrated solutions and branded products in the field of cable and connection technology. We are pioneers in introducing the concept of 'Reliably connecting the world' with our unbeatable range of cabling products and solutions.

Since commencing operations in the UAE in 2006, we have identified a strong demand for our cabling solutions due to the current boom in the industrial and construction sectors in the region.

Ölflex Classic 110



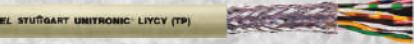
Ölflex Classic 115 CY



Ölflex Classic 110 CY



UNITRONIC LIYCY



Today, LAPP Middle East serves diversified markets and industrial segments, including automation, DCP,

water treatment plants, steel & aluminum, F&B, and critical infrastructure such as airports, underground

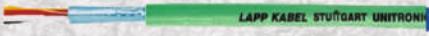
stations, metros, sports stadiums, and mosques. At LAPP Middle East, we ensure that 'We are where customers are.' Our team at LAPP ME is dedicated to providing expertise and excellent service.



VFD Cables

LAPP KABEL STUTTGART ÖLFLEX® SERVO 2Y

As a proud part of the LAPP Group, we support businesses in a wide region that covers 15 countries in the Middle East, including Egypt. This extensive coverage allows us to meet the cabling needs of customers across various countries. With a catalog of 40,000 products, we showcase our manufacturing prowess

Solar Cables**Marine Cables****Robotics Cables****Lift Cables****Ethernet Cables****Rubber Cables
h07rn-f****KNX Cables**

We always aim to offer the best solutions tailored to our customers' needs. If customers cannot find what they are looking for in our catalog, our experts are readily available to develop customized solutions together.

WE PRESENTS THE HISTORY OF CABLE BUSINESS



DARKA BRAND
was founded in 1910
as the Dutch N.V.
wire & cable factory.

PIRELLI CABLE AND SYSTEMS

was founded in 1879
in Milan
in 2005 Pirelli became
Prysmian



OMAN CABLES INDUSTRY (SAOG) is listed in Muscat Securities
Market

PRYSMIAN GROUP is OMAN CABLES INDUSTRY (SAOG) major

Since 2011 Draka and Prysmian have come together in the biggest
cable producing company in the world, Prysmian Group.

THE HISTORY OF OUR BUSINESS CHARTS

the history of cable industry, itself marked by many major milestone
along the way which cement our reputation as an early adopter and
industry pioneer.

FP100:

Construction:

- Conductor: Copper
- Fire barrier: Mica tape
- Sheath :LSOH

Fire performance:

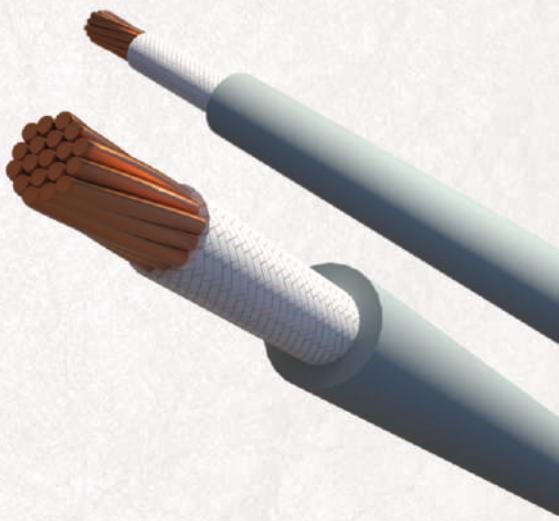
BS 6387 Category CWZ (Fire Resistance)

IEC 60331-21 (Fire Resistant)

BS EN 60332-1-2 (Flame Propagation)

BS EN 61034-2 (Smoke emission)

BS EN 60754-1 (Corrosive and acid gas)



FP200:

Construction:

- Conductor: Copper
- Insulation: Insudite™ to meet BS EN 50363-5
- Screen: laminated aluminum tape
- Sheath: LSOH

Fire performance:

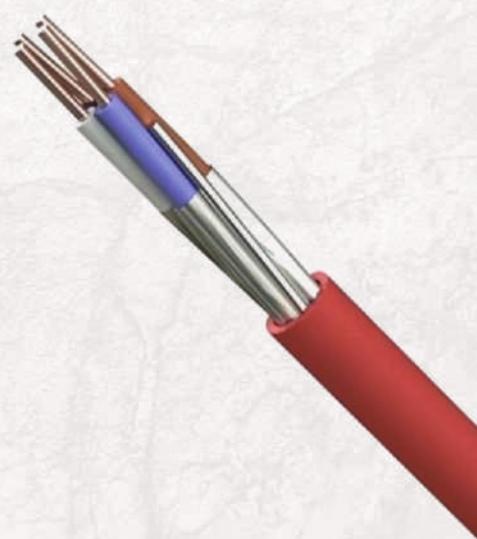
BS 6387 CAT CWZ (Fire resistance)

EN 50200 (Fire resistance)

BS EN 61034-2 (Low Smoke Emissions)

BS EN60754-1 (Halogen Free)

BS EN 60332-3-24 (Flame Performance)



FP300:

Construction:

- Conductor: Copper
- Fire barrier:Mica tape-XLPE
- Sheath : LSOH-LSOH

Fire performance:

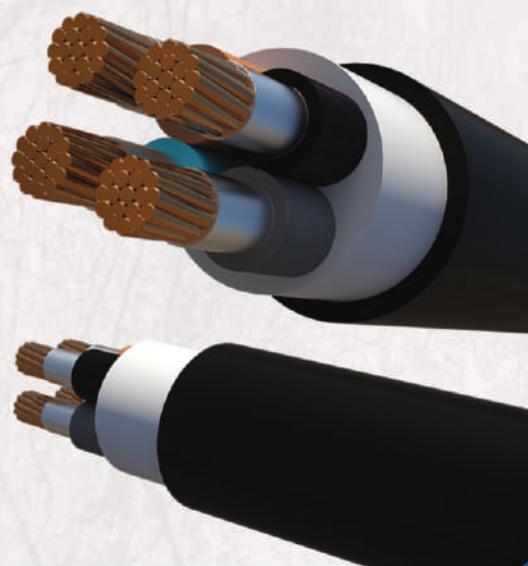
BS 6387 CAT CWZ (Fire resistant)

IEC 60331-21 (Fire resistant)

BS EN61034-2 (Low smoke emmision)

BSEN50267-2-1 (Halogen Free)

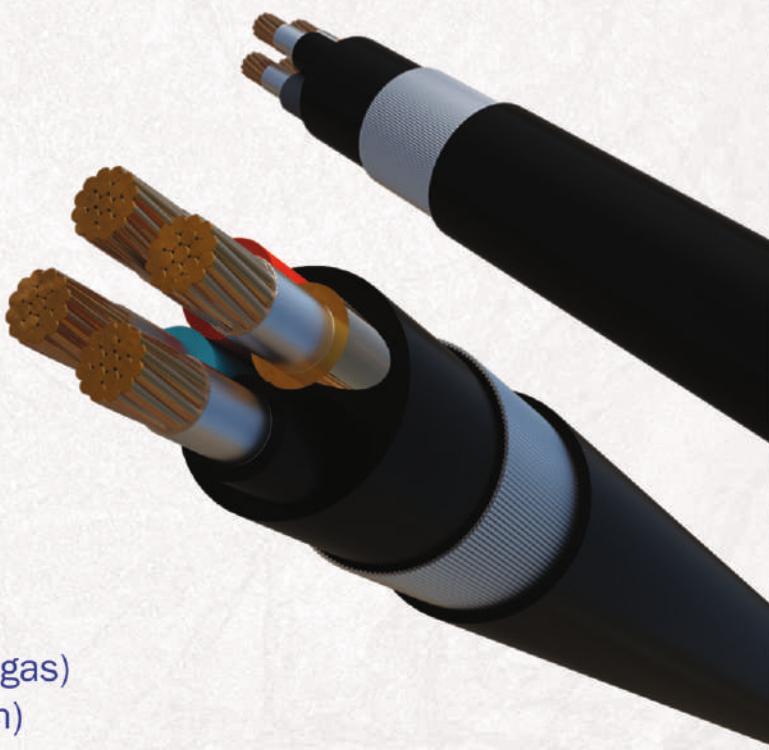
BSEN60332-1-2 (Fire performance)



FP400:

Construction:

- Conductor: Copper
- Fire barrier: Mica tape-XLPE
- Bedding:LSOH
- Armour: SWA
- Sheath:LSOH



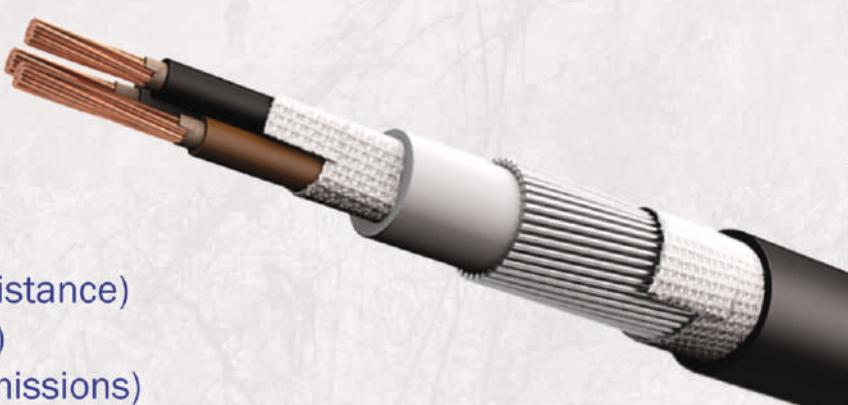
Fire performance:

- BS 7846 F2 (Fire resistance)
- BS 6387 CAT CWZ (Fire resistance)
- BS EN 64034-2 (Smoke emission)
- BS EN 60754-1 (Corrosive and acid gas)
- BS EN 60332-3-24 (Flame Propagation)

FP600:

Construction:

- Conductor: Copper
- Fire barrier:Mica tape-XLPE
- Bedding:LSOH
- Armour:SWA
- Sheath:LSOH



Fire performance:

- BS 8491 120 minutes (Fire resistance)
- BS 7846 F120 (Fire resistance)
- BS EN 61034-2 (Low Smoke Emissions)
- BS EN 60754-1 (Halogen Free)
- BS EN 60332-3-24 (Flame Propagation)

FIRE RESISTANT CABLES



LIGHT CURRENT CABLES

MESC Specialized Cables is considered as a world-class and top-of-the-range manufacturer and leading supplier of specialized cables to EPC contractors for mega projects in the Middle East and North Africa.

COAXIAL CABLES



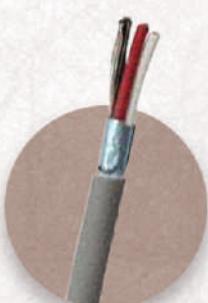
RS485 CABLES



SYSTEM CABLES



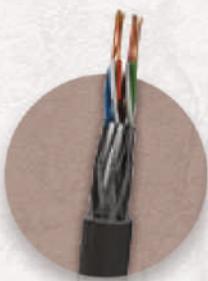
CONTROL CABLES



FIRE RESISTANT & FIRE ALARM CABLES



FLEXIBLE CABLES



DATA CABLES



Established in 1993 as a privately owned company, MESC Specialized Cables started rolling its machines in 1994 and selling in 1995. After consolidating its presence in KSA as the market leader, MESC Specialized Cables succeeded in penetrating other markets in GCC, Middle East, North Africa, Europe and USA.





LIGHT CURRENT CABLES

MESC fire resistant 950c

CU/MICA/OS/LSHF 300/500V BS 6387

CAT C W Z



MESC fire alarm 105C

CU/PVC/OS/PVC 300V (UL 1424)



MESC control shielded cables

(Public address, BMS, Security, RS 485)

CU/PE/OS/PVC or LSZH



MESC unshielded flexible cables

CU/PVC/PVC 300/500V



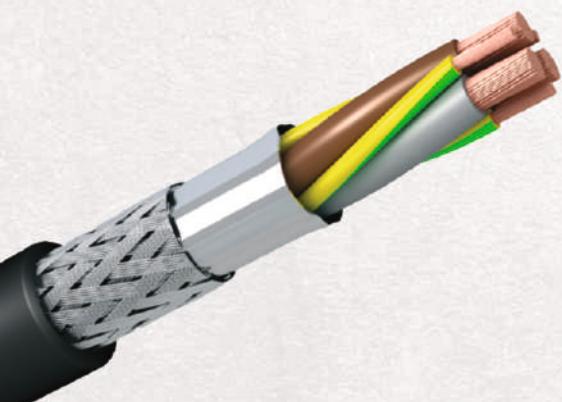
Top Cable was founded in 1985 and has grown from a local cable manufacturer in Barcelona, Spain, to a trusted international leader in cable technology, with offices and warehouses located around the globe.

As a family-run company, our principles are based on our core values of efficiency, honesty, integrity, and respect for people and the environment.

These principles apply to all our business affairs and describe the behaviour expected of every employee.



VFD CABLE TYPE ROZ1-K



The new generation of variable-speed drive (VDF) provide a series of advantages to the industry, but at the same time one of their main disadvantages is the emission of electromagnetic interference. In order to limit the extent of this type of electromagnetic interference it is necessary to use equipment and cable with Electromagnetic Compatibility, known as EMC.

With regards to cable the necessary EMC is achieved by firstly ensuring a symmetrical distribution of the conductors. Secondly, a special protective screen is added to ensure the required EMC when variation-speed drives are used. This means a longer lifespan for the motor or pump being used.

This cable has been specially designed for use in installations where it is necessary to limit the effects of Electromagnetic Interference (EMI), also known as Radio Frequency Interference (RFI).

The source of this kind of interference may be an object or device that carries changing electrical currents.

VFD cables are designed with three phase conductors plus grounding, and have a low smoke emitting and halogen free sheath.

They are flexible cables suitable for fixed installations.



VFD . MARINE AND RUBBER CABLES

MARINE CABLE

TOXFREE MARINE PLUS XTCuZ1-K (AS+) with bedding The Toxfree Marine Plus XTCuZ1-K (AS+) is specially designed to transmit electric power in the presence of fire, assuring electric supply to emergency circuits, like signalling lights, smoke extractors, acoustic alarms, water pumps, etc.

In case of fire, it does not emit toxic or corrosive gases, thereby protecting public health and avoiding any possible damage to electronic equipment.

For this reason, its use is recommended in public places and marine applications.

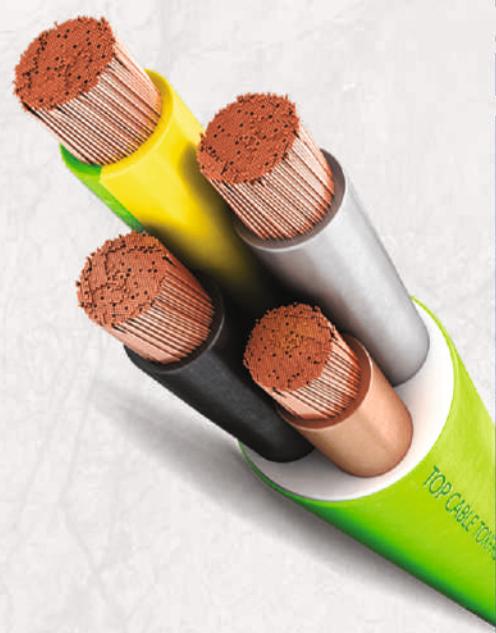


LSZH POWER CABLE

TOXFREE ZH RZ1-K (AS) The Toxfree RZ1-K (AS) cable with zero halogens is a high security cable.

In case of fire, it does not emit toxic or corrosive gases, thereby protecting public health and avoiding any possible damage to electronic equipment.

For this reason, its use is recommended in public places such as: hospitals, schools, museums, airports, bus terminals, shops in general, tunnels, the underground, etc., as well as in calculation centres, offices, production plants, laboratories, etc.





Is the world leader in the design, manufacture & marketing of specialty wire and cable products, and owns the latest state of the art manufacturing facilities in US, Canada and Europe.

As a leading manufacturer of wire and cables, Belden understands the important role of networking cables in providing your critical communications links.

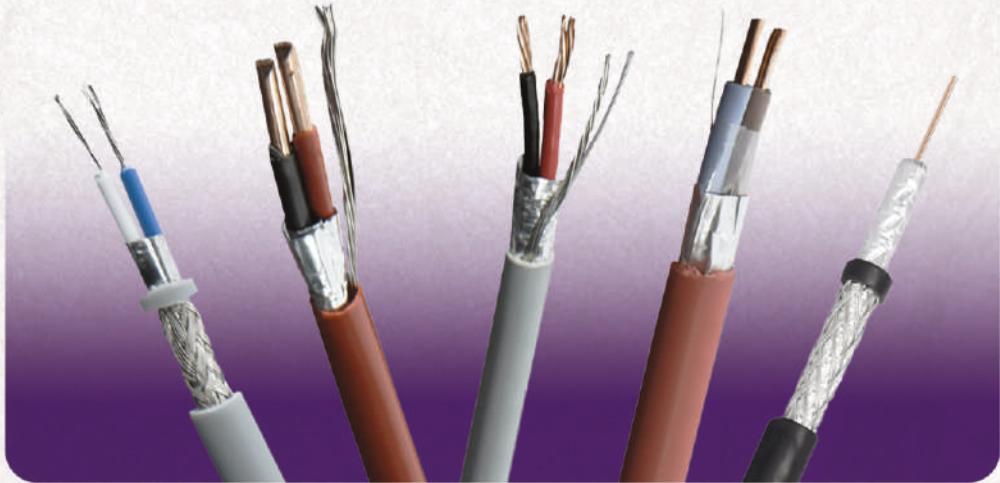
Whether you're transporting data, voice, video, or any combination, Belden has the cable you need. Belden have offers more than 5,000 products for IT, telecommunication, audio/video, industrial and electrical markets.

Customers specify Belden when they're seeking reliability, innovation and performance

PRODUCT RANGE AVAILABLE IN STOCK

- Fiber Optic Cables For Computer Networking, Telecommunication and CATV
- Twisted Pair (shielded and Unshielded) Cables With Bonded Pair Technology For Computer Networking
- Coaxial Cables For CCTV, SMATV and Telecommunications
- Twisted Pair and Coaxial Cables For The Broadcast Industry
- Twisted Pair and Coaxial Cables For All Demands In Industrial Networking Even Those Of Hazardous Areas.
(features: Armor, Rodent Protection, Oil and Heat Resistant, Direct Burial, Lsoh)
- Custom Designed Cables
- Control And Instrumentation Cables



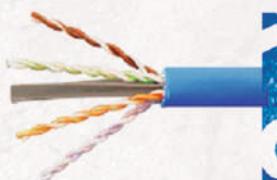
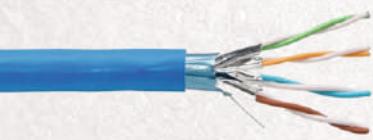


B3 international manufacturer and supply an extensive range of quality approved cables, these include paired cables, multi conductor cables, fire alarm cables, fire resistant cables, coaxial cables, data cables, instrumentation cables, optical fiber cables and connectivity.





***premium
line***

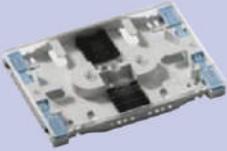


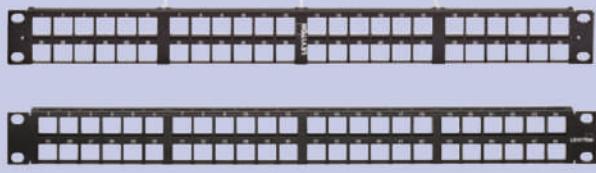
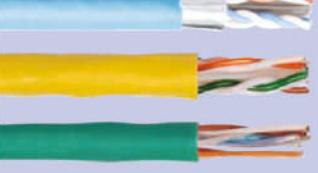
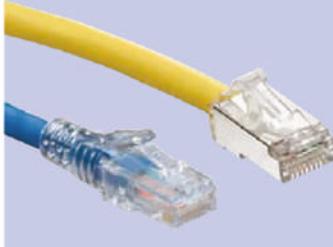
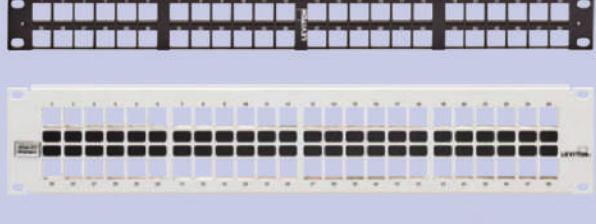
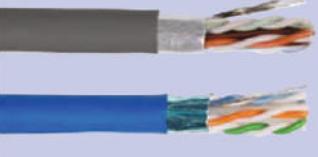
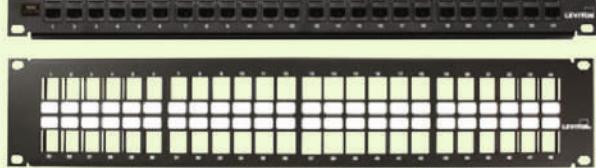
Copper solution: CAT6, CAT6A, CAT7 Cables, with complete passive solution Patch cords, Patch panels, Connectors, Face plates, shutters..



Fiber solution: Single mode & Multimode(OM2&OM3&OM4) cables with complete passive solution Patch cords, Patch panels, Adapters, Pigtails, Cassettes, Face plates...



SPLICE TRAYS/MODULES OR CONNECTORS	CABLE ASSEMBLIES	CABLE FIBER TYPE AND SPECIFICATION CHART																							
 SDX Splice Tray (Page B26)	 Economy Patch Cords (Page B51)	OM3 <table border="1"> <thead> <tr> <th data-bbox="890 422 1049 455">SPECIFICATION</th><th data-bbox="1271 422 1367 455">850 nm</th><th data-bbox="1319 422 1383 455">1300 nm</th></tr> </thead> <tbody> <tr> <td data-bbox="890 496 1144 530">Max. Attenuation (dB/km)</td><td data-bbox="1271 496 1303 530">3.0</td><td data-bbox="1319 496 1351 530">1.0</td></tr> <tr> <td data-bbox="890 570 1176 626">Overfill Launch Min. Bandwidth (MHz•km)</td><td data-bbox="1271 570 1319 604">1500</td><td data-bbox="1319 570 1367 604">500</td></tr> <tr> <td data-bbox="890 644 1208 678">Effective Modal Bandwidth (EMB) (MHz•km)</td><td data-bbox="1271 644 1319 678">2000¹</td><td data-bbox="1319 644 1367 678">N/A</td></tr> <tr> <td data-bbox="890 718 1192 752">1 Gb/s Transmission Distance (m)</td><td data-bbox="1271 718 1303 752">1000</td><td data-bbox="1319 718 1351 752">600</td></tr> <tr> <td data-bbox="890 792 1192 826">10 Gb/s Transmission Distance (m)</td><td data-bbox="1271 792 1303 826">300₂</td><td data-bbox="1319 792 1367 826">300₂</td></tr> <tr> <td data-bbox="890 866 1144 900">40/100 Gb/s Transmission Distance (m)</td><td data-bbox="1271 866 1303 900">100</td><td data-bbox="1319 866 1367 900">N/A</td></tr> </tbody> </table>			SPECIFICATION	850 nm	1300 nm	Max. Attenuation (dB/km)	3.0	1.0	Overfill Launch Min. Bandwidth (MHz•km)	1500	500	Effective Modal Bandwidth (EMB) (MHz•km)	2000 ¹	N/A	1 Gb/s Transmission Distance (m)	1000	600	10 Gb/s Transmission Distance (m)	300 ₂	300 ₂	40/100 Gb/s Transmission Distance (m)	100	N/A
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10 Gb/s Transmission Distance (m)	300 ₂	300 ₂																							
40/100 Gb/s Transmission Distance (m)	100	N/A																							
 SDX Splice Module (Page B26)	 Economy Pigtauls (Page B52)	OM4 <table border="1"> <thead> <tr> <th data-bbox="890 1006 1049 1039">SPECIFICATION</th><th data-bbox="1271 1006 1303 1039">850 nm</th><th data-bbox="1319 1006 1383 1039">1300 nm</th></tr> </thead> <tbody> <tr> <td data-bbox="890 1080 1144 1114">Max. Attenuation (dB/km)</td><td data-bbox="1271 1080 1303 1114">3.0</td><td data-bbox="1319 1080 1351 1114">1.0</td></tr> <tr> <td data-bbox="890 1154 1176 1188">Overfill Launch Min. Bandwidth (MHz•km)</td><td data-bbox="1271 1154 1319 1188">N/A</td><td data-bbox="1319 1154 1367 1188">500</td></tr> <tr> <td data-bbox="890 1228 1208 1262">Effective Modal Bandwidth (EMB) (MHz•km)</td><td data-bbox="1271 1228 1319 1262">4700¹</td><td data-bbox="1319 1228 1367 1262">N/A</td></tr> <tr> <td data-bbox="890 1302 1192 1336">1 Gb/s Transmission Distance (m)</td><td data-bbox="1271 1302 1303 1336">1040</td><td data-bbox="1319 1302 1351 1336">600</td></tr> <tr> <td data-bbox="890 1376 1192 1410">10 Gb/s Transmission Distance (m)</td><td data-bbox="1271 1376 1303 1410">550</td><td data-bbox="1319 1376 1367 1410">300₂</td></tr> <tr> <td data-bbox="890 1450 1144 1484">40/100 Gb/s Transmission Distance (m)</td><td data-bbox="1271 1450 1303 1484">150</td><td data-bbox="1319 1450 1367 1484">N/A</td></tr> </tbody> </table>			SPECIFICATION	850 nm	1300 nm	Max. Attenuation (dB/km)	3.0	1.0	Overfill Launch Min. Bandwidth (MHz•km)	N/A	500	Effective Modal Bandwidth (EMB) (MHz•km)	4700 ¹	N/A	1 Gb/s Transmission Distance (m)	1040	600	10 Gb/s Transmission Distance (m)	550	300 ₂	40/100 Gb/s Transmission Distance (m)	150	N/A
SPECIFICATION	850 nm	1300 nm																							
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10 Gb/s Transmission Distance (m)	550	300 ₂																							
40/100 Gb/s Transmission Distance (m)	150	N/A																							
 SDX Splice Tray (Page B26)	 Economy Patch Cords (Page B51)	OS2 <table border="1"> <thead> <tr> <th data-bbox="890 1619 1049 1653">SPECIFICATION</th><th data-bbox="1271 1619 1303 1653">1310 nm</th><th data-bbox="1319 1619 1383 1653">1550 nm</th></tr> </thead> <tbody> <tr> <td data-bbox="890 1731 1176 1765">Maximum Attenuation (dB/km)</td><td data-bbox="1271 1731 1303 1765">0.4</td><td data-bbox="1319 1731 1351 1765">0.3</td></tr> <tr> <td data-bbox="890 1828 1144 1861">1G Transmission Distance (m)</td><td data-bbox="1271 1828 1303 1861">5,000</td><td data-bbox="1319 1828 1367 1861">N/A</td></tr> <tr> <td data-bbox="890 1924 1192 1958">10G Transmission Distance (m)</td><td data-bbox="1271 1924 1303 1958">10,000</td><td data-bbox="1319 1924 1367 1958">N/A</td></tr> </tbody> </table>			SPECIFICATION	1310 nm	1550 nm	Maximum Attenuation (dB/km)	0.4	0.3	1G Transmission Distance (m)	5,000	N/A	10G Transmission Distance (m)	10,000	N/A									
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10G Transmission Distance (m)	10,000	N/A																							
 SDX Splice Module (Page B26)	 Economy Pigtauls (Page B52)	<small>¹ The effective modal bandwidth is determined based on an overfill launch (DFL) per ANSI/TIA-455-204, except on LOMM fiber types. ² 10GbE transmission at 1300 nm only applies to 10GBASE-LX4 (CWDM). Reach calculation is based on attenuation of ≤3.0 dB/km at 850 nm and 1.0 dB of connector loss.</small>																							

PANELS	CABLES	PATCH CORDS
 e2XHD (A13) or Any Empty UTP QUICKPORT™ (Pages A14-A15) Panels	 SST (Page A33), LANMARK™-2000 (Page A35), or Hyper Plus 5e (Page A38)	 6AS10 (Page A23), H6A10 (Page A23), 6D460 (Page A25), 6H460 (Page A26), 6D560 (Page A25)
 e2XHD (A13) or Any Empty Shielded QUICKPORT (Pages A14-A15) Panels	 LANMARK-10G FTP (Page A32) or LANMARK-6 FTP (Page A34)	 6AS10 (Page A23) or H6A10 (Page A23)
 110-Style (A16) or Any Empty UTP QUICKPORT (Pages A14-A15) Panels	 LANMARK-10G2 (Page A33), LANMARK-1000 (Page A35), or Hyper Plus 5e (Page A38)	 6AS10 (Page A23), H6A10 (Page A23), 6D460 (Page A25), 6H460 (Page A26), or 5D460 (Page A27)
 110-Style (A16) or Any Empty UTP QUICKPORT (Pages A14-A15) Panels	 Hyper Plus 5e (Page A38)	 5G460 (Page A27) or 5D460 (Page A27)

OUR PROJECTS

Metro - Line 4



Mars Factory



Samsung Egypt Factory



SODIC East Town



MIVIDA



ZED Towers



OUR PROJECTS

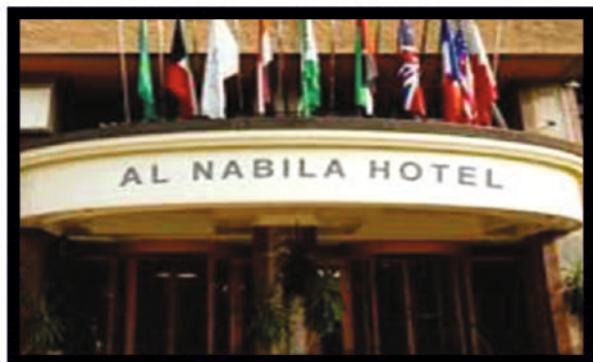
El Alamein Towers



Four Season Hotel



Al Nabila Hotel



Bashtil Train Station



Grand Egyptian Museum



Badya University





ELKAYAN

SPECIALIZED CABLES

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